Special Issue

Treatment and Analysis of PFAS in Environmental Pollution

Message from the Guest Editor

Environmental pollution caused by per- and polyfluoroalkyl substances (PFASs) has become one of the most pressing challenges in modern environmental science. PFASs are a large group of human-made chemicals that are characterized by strong carbon–fluorine bonds, which make them highly resistant to degradation in the environment and in living organisms. These substances have been widely used in various industrial, consumer, and military applications, including non-stick cookware, water-repellent fabrics, firefighting foam, and many other products. As a result, PFASs have been detected in various environmental matrices such as water, soil, air, and wildlife, posing significant risks to both ecosystems and human health. This Special Issue highlights recent advances in treatment technologies for PFAS pollution in the environment, as well as analytical methods for measuring the total fluorine in environmental samples. It aims to bring together contributions from the fields of environmental engineering, analytical chemistry, and risk assessment.

Guest Editor

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